WHAT IS CLAIMED IS:

1. A calculator capable of displaying processing status and stopping processing, comprising:

an input unit adapted for being operated by a user to input an
expression into the calculator;

an algebraic logic processor for controlling and processing the input expression;

an interrupt detector for detecting a request to stop processing when the expression is processed by the algebraic logic processing unit;

a counter for counting based on a predefined value when the expression is processed by the algebraic logic processing unit; and

an output unit for displaying processing status of the calculator and calculating results, and displaying a message representing that the expression is processing when the expression is processed by the algebraic logic processing unit;

wherein, when the counter counts to a first predefined value before the algebraic logic processing unit finishes processing, the output unit displays a terminating message adapted to inquire the user whether to stop the processing or continue the processing, while the algebraic logic processor keeps processing the input expression.

2. The calculator as claimed in claim 1, wherein the counter is reset to count based on a second predefined value and begins to count after the terminating message is displayed, and if no request from the user is detected after the counter counts to the second predefined value, the terminating

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message is cleared and the counter is reset to count based on the first predefined value.

3. The calculator as claimed in claim 2, wherein the output unit displays a message representing that the expression is processing after the stopping message is cleared.

4. The calculator as claimed in claim 2, wherein the interrupt detector has an internal interrupt detector for detecting a request to stop processing from a user.

5. The calculator as claimed in claim 4, wherein the interrupt detector has an external interrupt detector for detecting whether a specific key of the input unit is pressed by the user, and the output unit displays a terminating message for inquiring the user whether to stop processing when the expression is processed by the algebraic logic processing unit.

6. The calculator as claimed in claim 2, wherein the algebraic logic processor comprises:

an algebraic logic determining unit for determining whether the input expression confirms to algebraic logic rules; and

an algebraic logic calculating unit for calculating the expression which confirms to the algebraic logic rules.

7. A method capable of displaying processing status and stopping processing of a calculator when an expression is processing, comprising steps of:

(A) displaying a message indicating that the expression is processing and begins to count when an expression is input into the calculator for being processed;

(B) displaying a terminating message adapted for inquiring a user whether to stop processing when counting to a first predefined value and the processing being not completed, while the expression is kept in processing; and

(C) stopping or continuing processing based on a request from the user.

8. The method as claimed in claim 7, wherein, in step (B), when the terminating message is displayed, the calculator begins to count based on a second predefined value, and if there is no response from the user before counting to the second predefined value, the terminating message is cleared and the calculator begins to count based on the first predefined value again.

9. The method as claimed in claim 8, when the terminating message is cleared, a message representing that the expression is processing is displayed.

10. The method as claimed in claim 8, wherein, after an expression is inputted for being processed, a terminating message for inquiring a user whether to stop calculating is displayed by pressing a specific key of the calculator.

11. The method as claimed in claim 8, wherein, in step (A), it is determined whether the expression conforms to algebraic logic rules before calculating the expression.